

Structure 1b – Welfare Block and Canteen



Photograph 5 – Gable end of the welfare block



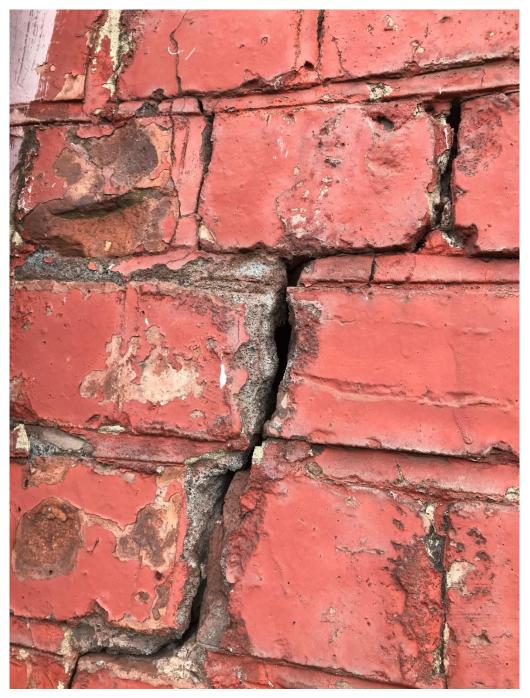
Photograph 6 – South-western elevation of structure B1b, welfare block with corrugated metal roof and boarding windows to the right, canteen block with corrugated asbestos roof to the left





Photograph 7 – South-western aspect of structure B1b showing fascia boarding and failed guttering, mortar generally in good condition and fascia boarding fitted close against the wall





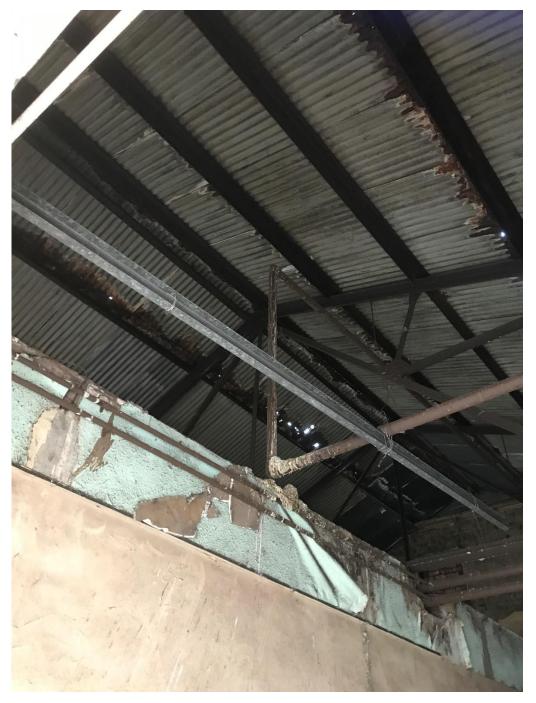
Photograph 8 - Subsidence crack in southern-western wall of structure B1b, potentially leads to wall cavity but cobwebs inside





Photograph 9 - Gaps in mortar below fascia boarding, may lead to wall cavity of structure B1b





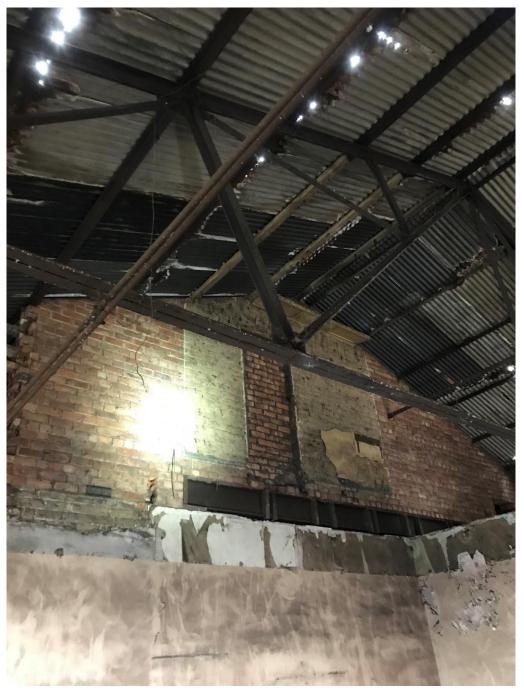
Photograph 10 - Interior of welfare block of structure B1b, note poor condition of corrugated metal roof





Photograph 11 - Interior of welfare block of structure B1b, showing rendered interior walls that stop well below roof height





Photograph 12 – Interior of welfare block of structure B1b, note good condition of interior brickwork and intact mortar





Photograph 13 – Exterior of canteen of structure B1b, note generally good condition of interior brickwork and intact mortar



Photograph 14 – Canteen end of structure B1b, note crack in mortar on the gable. Fascia boards on lean-to generally tight against brickwork as per the welfare block.





Photograph 15 – Interior of lean-to to canteen, structure B1b





Photograph 16 - South-western aspect of Structure B1c, the Fabrication Building





Photograph 17 - South-western corner of Structure B1c, eroded mortar and cracking but covered by cobwebs





Photograph 18 - Interior of Structure B1c



Photograph 19 – Northern aspect of Structure B2, 'Tube City'





Photograph 20 – Southern aspect of Structure B2





Photograph 21 – Interior of Structure B2





Photograph 22 - Eastern aspect of Structure B3, Pellet Plant Main Building





Photograph 23 – View along northern side of Structure B3, Pellet Plant Main Building





Photograph 23 – View into one of several comparable storage bays that form the ground floor of Structure B3, all accessed from the exterior



Photograph 24 – View of the brickwork and mortar on north side of Structure B3, no damage





Photograph 25 – Interior of first floor of Structure B3



Photograph 26 – Interior of second floor of Structure B3





Photograph 27 – Eastern aspect of Structure B4, Runtech Garage



Photograph 28 – Southern aspect of Structure B4, occupied office buildings





Photograph 29 - Structure B5a





Photograph 30 - Structure B5b





Photograph 31 - Structure B6



Photograph 32 - Structure B7, Steel House



Annex B Results of the Emergence Survey of Structure B1b (Canteen and Welfare Block



05

06

07

Project Name: Net Zero Teeside – Structure B1b							Surveyor name and location: Surveyor 1 - DC				
ation (6 fi	gure grid	ref): NZ	57235 25266	i		Temper	ature (°C): 18	Rain ¹ (0-5): 0	Wind ² (0-7): 1		
Date: 15/09/2020							Cloud Cover ³ (0-8): 4				
Sunset/Sunrise time: 19:20							Weather description (incl. previous evening): Warm, calm, no rain.				
19:05			Finish t	ime: 20:5	0						
u sed: Bat	box Duet,	SM2				Bat Cal	Bat Calls Verified (name): DBo				
Track No.	Track Time	Real Time	Species ⁴	No. of bats	Emerge (Y/N)	Recording (Y/N)			nmuting. Description e.g. Flight		
		19:47	PIPI	1	N	Y		Heard Not Seen (I	HNS)		
		19:57	PIPI	1_	N	Υ		HNS			
		20:01	PIPI	1	N	Y		HNS			
		20:06	PI sp.	4	N			HNS			
	2020 rise time: 19:05 used: Bat	ation (6 figure grid 2020 rise time: 19:20 19:05 used: Batbox Duet,	rise time: 19:20 19:05 Track Track Real Time 19:47 19:57 20:01	Track Track Real Species No. Time 19:47 PIPI 19:57 PIPI 20:01 PIPI	Ation (6 figure grid ref): NZ 57235 25266	Action (6 figure grid ref): NZ 57235 25266	Temper Cloud Control Clo	ation (6 figure grid ref): NZ 57235 25266 Temperature (°C): 18 Cloud Cover³ (0-8): 4 Weather description (incl. 19:05 Finish time: 20:50 Used: Batbox Duet, SM2 Bat Calls Verified (name): Incl. Track Track Real Time Time Species⁴ No. of Emerge (Y/N) (Y/N) (Y/N) height, behaviour, direction (incl.) Track Track Time Time Species⁴ No. of Emerge (Y/N) (Y/N) (Y/N) height, behaviour, direction (incl.)	Track Track No. Time Time Species No. of bats (Y/N) No. of bats (Y/N) (Y/N) Species No. Sp		

20:09

20:13

20:50

Ν

Ν

PI sp.

PI sp.

PIPI

HNS

HNS

HNS

¹Rain scale: 0 = none, 1 = drizzle, 2 = shower, 3 = rain, 4 = downpour, 5 = flood

²Beaufort wind force scale: 0 No wind, 1 Light air *smoke drifts*, 2 Light Breeze *leaves rustle*, 3 Gentle Breeze *small twigs move*, 4 Mod Breeze *small branches move*, 5 Fresh Breeze *small trees sway*, 6 Strong Breeze *large branches move*, 7 Mod Gale *whole trees in motion*

³Percentage scale based on: 1 = 0-20%, 2 = 21--40%, 3 = 41-60%, 4 = 61-80%, 5 = 81-100%

⁴Abbreviate species based on first two letters of genus and first two of species e.g. PIPI: common pipistrelle (*Pipistrellus pipistrellus*), PI sp. (either PIPI or PIPY: soprano pipistrelle (*Pipistrellus pygmaeus*)



Project Nan	Project Name: Net Zero Teeside – Structure B1b							Surveyor name and location: Surveyor 2 - CC					
Survey Loc	ation (6 fi	gure grid	l ref): NZ	57276 25234	,		Tempe	Temperature (°C): 18 Rain¹ (0-5): 0 Wind² (0-7): 1					
Date: 15/09/2020							Cloud	Cloud Cover ³ (0-8): 4					
Sunset/Sunrise time: 19:20								Weather description (incl. previous evening): Warm, calm, no rain.					
Start time:	19:05			Finish t	ime: 20:5	0							
Equipment	used: Bat	box Duet,	, SM2				Bat Cal	Bat Calls Verified (name): DBo					
Reference Number	Track No.	Track Time	Real Time	Species ⁴	No. of bats	Emerge (Y/N)	Recording (Y/N)	Activity/Description		nmuting. Description e.g. Flight			
01			20:27	PIPI	1	N	Y		HNS				
02			20:30	PIPI	1	N	Υ		HNS				
03			20:45	PIPI	1	N	Y		HNS				

¹Rain scale: 0 = none, 1 = drizzle, 2 = shower, 3 = rain, 4 = downpour, 5 = flood

Beaufort wind force scale: 0 No wind, 1 Light air *smoke drifts*, 2 Light Breeze *leaves rustle*, 3 Gentle Breeze *small twigs move*, 4 Mod Breeze *small branches move*, 5 Fresh Breeze *small trees sway*, 6 Strong Breeze *large branches move*, 7 Mod Gale *whole trees in motion*

³Percentage scale based on: 1 = 0-20%, 2 = 21--40%, 3 = 41-60%, 4 = 61-80%, 5 = 81-100%

⁴Abbreviate species based on first two letters of genus and first two of species e.g. PIPI: common pipistrellus pipistrellus)



Project Nan	ne: Net Ze	ero Teesid	e – Struct	ure B1b			Su	Surveyor name and location: Surveyor 3 - HD					
Survey Loc	Survey Location (6 figure grid ref): NZ 57251 25301								ture (°C): 18	Rain¹ (0-5): 0	Wind² (0-7): 1		
Date: 15/09/2020							CIO	Cloud Cover ³ (0-8): 4					
Sunset/Sun	rise time:	: 19:20					We	eather	description (incl.	orevious evening): Warm	, calm, no rain.		
Start time:	start time: 19:05 Finish time: 20:50												
Equipment	used: Bat	tbox Duet,	, SM2				Ва	Bat Calls Verified (name): DBo					
Reference Number	Track No.	Track Time	Real Time	Species ⁴	No. of bats	Emerge (Y/N)	Record (Y/N)	ding	Activity/Description		mmuting. Description e.g. Flight		
01			19:47	PIPI	1	N	Y		HNS	,			
02			19:56	PIPI	1	N	Y	1	HNS				
03			20:00	PIPI	1	N	Y	1	Flying south to nort	h over building			
04			20:14	PIPI	1	N	Y		HNS	<u> </u>			
05			20:18	PIPI	1	N	Y		Flying south to nort	h over building			
06			20:38	PIPI	1	N	Y		HNS, foraging over	head			

¹Rain scale: 0 = none, 1 = drizzle, 2 = shower, 3 = rain, 4 = downpour, 5 = flood

²Beaufort wind force scale: 0 No wind, 1 Light air *smoke drifts*, 2 Light Breeze *leaves rustle*, 3 Gentle Breeze *small twigs move*, 4 Mod Breeze *small branches move*, 5 Fresh Breeze *small trees sway*, 6 Strong Breeze *large branches move*, 7 Mod Gale *whole trees in motion*

³Percentage scale based on: 1 = 0-20%, 2 = 21--40%, 3 = 41-60%, 4 = 61-80%, 5 = 81-100%

⁴Abbreviate species based on first two letters of genus and first two of species e.g. PIPI: common pipistrelle (*Pipistrellus* pipistrellus)



Annex C Raw Survey Data – 2018 PCC Site Activity Survey

Surveyor		McQuillan Westgarth				Date	8/8/18
Start time	21:08		nish time	22:25		Sunset	20:52
Weather (Lev	el of raint	all, wind	and cloud	cover)			
Dry, 1- 2 Bft, 2	20% cloud	cover, Hu	midity 72%				
Temp at start	-	Temp at end	13.2 °C	Weather changes	N/A		
Spot count	3 min			Detector	Pettersson D200		
time					Echo met	er Touch 2	

BAT PASSES:

Station number	Time (start/end)	Common pipistrelle	Soprano pipistrelle	Myotis	BLE	Noctule	Leisler's	Other	Comments
1	21:08								
2	21:13								
3	21:19								
4	21:25	2 x passes							
5	21:33								
6	21:41								
7	21:48	1 x Pass W to E							
8	21:58								
9	22:03								
10	22:10								
11	22:15								
12	22:22								



Surveyor	Th	nomas	McQuillan				Date	13/9/18
	Ar	ndrew \	Vestgarth					
Start time	19):37	Fi	nish time	21:00		Sunset	19:28
Weather (L	evel o	of rainf	all, wind	and cloud	cover)		•	
Dry, 2 Bft, 4	10% cl	oud co	ver, Humi	dity 67%				
Temp at start	14.7	°C	Temp at end	14 °C	Weather changes	N/A		
Spot count	t	3 min			Detector	Petterssor	n D200	
time						Echo mete	er Touch 2	

BAT PASSES:

Station number	Time (start/end)	Common pipistrelle	Soprano pipistrelle	Myotis	BLE	Noctule	Leisler's	Other	Comments
1	19:37								
2	19:45								
3	19:52								
4	19:58	1 x pass							
5	20:07								
6	20:14								
7	20:21								
8	20:28								
9	20:33								
10	20:40								
11	20:44								
12	20:53								



Annex D Raw Survey Data – 2020 Coatham Sands Activity Survey

Date: 20/05/2	020	Temperatu	re (°C): 26	Rain (0-5) ² : 0
Sunset time:	unset time: 21:13		3: 2	Cloud Cover (0-5)4: 0
Start Time: 20:45	Finish Time: 23:24	Equipment used : Elekon Batlogger M		Weather description (incl. previous evening): Dry, warm, slight breeze, clear. Dry previous evening
Reference Number/Sto p	Time	Species ¹	No. of bats	Activity/Description
STOP 2	22:13	PIPI	1	Foraging above pond
STOP 3	22:21	NYNO	1	Commuting high above southwest
STOP 6	22:46	PIPI	1	Heard not seen
STOP 6	22:51	PIPI	1	Heard not seen

Species codes: PIPI: common pipistrelle (*Pipistrellus pipistrellus*), NYNO: noctule (*Nyctalus noctula*)

Rain scale: 0 = none, 1 = drizzle, 2 = shower, 3 = rain, 4 = downpour, 5 = flood

³Beaufort wind force scale: 0 No wind, 1 Light air smoke drifts, 2 Light Breeze leaves rustle, 3 Gentle Breeze small twigs move, 4 Mod Breeze small branches move, 5 Fresh Breeze small trees sway, 6 Strong Breeze large branches move, 7 Mod Gale whole trees in motion

*Percentage scale based on: 1 = 0-20%, 2 = 21--40%, 3 = 41-60%, 4 = 61-80%, 5 = 81-100%

Date: 24/06/2	020	Temperatu	re (°C): 21	Rain (0-5) ² : 0		
Sunset time:	21:45	Wind (0-7) ³	: 2	Cloud Cover (0-5) ⁴ : 0		
Start Time: 21:45	Finish Time: 00:05	Equipment Elekon Batle		Weather description (incl. previous evening): warm and dry evening		
Reference Number/Sto p	Time	Species ¹	No. of bats	Activity/Description		
STOP 9	23:01	PIPI	1	Heard not seen		
STOP 10	23:11	PIPI	2	Two bats flying overhead		
STOP 11	23:25	PIPI	1	At 23:29 bat flying south to north overhead		
STOP 12	22:34	PIPI	2	Flying over waterbody		
	22:37	PIPI	1	Flying overhead		
STOP 1	23:41	PIPI	1	Heard not seen		
1	23:46	PIPI	1	Heard not seen		
STOP 2	23:47	PIPI	1	Flying over reedbed		
STOP 3	23:56	PIPI	1	Heard not seen		
2	00:05	PIPI	1	Flying over road		



Species codes: PIPI: common pipistrelle (Pipistrellus pipistrellus)

Rain scale: 0 = none, 1 = drizzle, 2 = shower, 3 = rain, 4 = downpour, 5 = flood

³Beaufort wind force scale: 0 No wind, 1 Light air smoke drifts, 2 Light Breeze leaves rustle, 3 Gentle Breeze small twigs move, 4 Mod Breeze small branches move, 5 Fresh Breeze small trees sway, 6

Strong Breeze large branches move, 7 Mod Gale whole trees in motion

*Percentage scale based on: 1 = 0-20%, 2 = 21--40%, 3 = 41-60%, 4 = 61-80%, 5 = 81-100%

Date: 20/07/2	020	Temperatu	re (°C): 14	Rain (0-5)² : 0
Sunset time:	21:30	Wind (0-7) ³	: 3	Cloud Cover (0-5)4: 2
Start Time: 21:28	Finish Time: 05:00	Equipment Elekon Batle		Weather description (incl. previous evening): warm and dry evening
Reference Number/Sto p	Time	Species ¹	No. of bats	Activity/Description
STOP 10	22:38	Unidentifie d Pipistrelle	1	Heard not seen
STOP 12	22:56	PIPI	1	Flying overhead
	23:00	PIPI	1	Heard not seen
STOP 1	23:05	PIPI	1	Heard not seen
STOP 2	23:10	PIPI	1	Flying overhead
	23:12	PIPI	1	Heard not seen
1	23:17	PIPI	1	Heard not seen
STOP 3	23:17	PIPI	1	Heard not seen
STOP 4	23:25	PIPI	1	Seen at 23:27
2	23:31	PIPI	1	Heard not seen
3	23:35	PIPI	1	Heard not seen
STOP 5	23:37	PIPI	2	Foraging overhead
STOP 6	23:43	PIPI	1	Heard at 23:46
4	02:25	NYNO	1	Heard not seen
5	02:45	<i>Myotis</i> species	1	Heard not seen

Species codes: PIPI: common pipistrelle (*Pipistrellus pipistrellus*), NYNO: noctule (*Nyctalus noctula*)

Rain scale: 0 = none, 1 = drizzle, 2 = shower, 3 = rain, 4 = downpour, 5 = flood

Beaufort wind force scale: 0 No wind, 1 Light air smoke drifts, 2 Light Breeze leaves rustle, 3 Gentle Breeze small twigs move, 4 Mod Breeze small branches move, 5 Fresh Breeze small trees sway, 6 Strong Breeze large branches move, 7 Mod Gale whole trees in motion

Percentage scale based on: 1 = 0.20%, 2 = 21.40%, 3 = 41.60%, 4 = 61.80%, 5 = 81.100%



Date: 17/08/2	020	Temperatur	e (°C): 20	Rain (0-5) ² : 0		
Sunset time:	20:29	Wind (0-7) ³ :	2	Cloud Cover (0-5)4: 2		
Start Time: 20:20	Finish Time: 22:43			Weather description (incl. previous evening): warm and dry evening		
Reference Number/Sto p	Time	•	No. of bats	Activity/Description		
STOP 3	22:08	PIPI	1	Heard not seen		
STOP 4	22:16	PIPI	1	Heard not seen		
		PIPI	1	Heard not seen		
		PIPI	1	Heard not seen		
1	22:21	PIPI	1	Heard not seen		
2	22:23	PIPI	1	Heard not seen		

¹Species codes: PIPI: common pipistrelle (*Pipistrellus pipistrellus*)

Rain scale: 0 = none, 1 = drizzle, 2 = shower, 3 = rain, 4 = downpour, 5 = flood

³Beaufort wind force scale: 0 No wind, 1 Light air smoke drifts, 2 Light Breeze leaves rustle, 3 Gentle Breeze small twigs move, 4 Mod Breeze small branches move, 5 Fresh Breeze small trees sway, 6 Strong Breeze large branches move, 7 Mod Gale whole trees in motion

*Percentage scale based on: 1 = 0-20%, 2 = 21--40%, 3 = 41-60%, 4 = 61-80%, 5 = 81-100%

Date: 14/09/2	020	Temperature (°C): 18		Rain (0-5) ² : 0	
Sunset time:	19:23	Wind (0-7) ³ : 2		Cloud Cover (0-5) ⁴ : 1	
Start Time: 19:23	Finish Time: 21:23	Elekon Batlogger M		Weather description (incl. previous evening): warm and dry evening, dry previou evening	
Reference Number/Sto p	Time	Species ¹ No. of bats		Activity/Description	
3	20:42	PIPI	1	Foraging over reeds	

¹Species codes: PIPI: common pipistrelle (*Pipistrellus pipistrellus*)

Rain scale: 0 = none, 1 = drizzle, 2 = shower, 3 = rain, 4 = downpour, 5 = flood

³Beaufort wind force scale: 0 No wind, 1 Light air smoke drifts, 2 Light Breeze leaves rustle, 3 Gentle Breeze small twigs move, 4 Mod Breeze small branches move, 5 Fresh Breeze small trees sway, 6 Strong Breeze large branches move, 7 Mod Gale whole trees in motion

*Percentage scale based on: 1 = 0-20%, 2 = 21--40%, 3 = 41-60%, 4 = 61-80%, 5 = 81-100%



Annex E Results of the 2020 Static Detector Survey at Coatham Sands

Static Detector 1

				Average		Species a	nd number	of bats		
Night	Date	Sunset	Sunrise	hours of	Total no. bats	Common	Myotis sp.	Noctule	Bat Activ	ity Index
				darkness		pipistrelle	ινιγοτιό όρ.	Noctule		
1	20/05/2020	21:12	04:49	7.7	29	22	0	7	3.8	
2	21/05/2020	21:14	04:48	7.6	222	203	0	19	29.2	
3	22/05/2020	21:16	04:46	7.6	16	15	1	0	2.1	
4	23/05/2020	21:17	04:45	7.5	0	0	0	0	0.0	
5	24/05/2020	21:19	04:44	7.5	73	72	0	1	9.	.7
									Mean	
					Total	312	1	27	Activity	9.0
									Index	

				Average		Species	and num	ber of		
Night	Date	Sunset	Sunrise	hours of darkness		pipistrell	Myotis sp.	Noctule	Bat Activ	ity Index
1	20/07/2020	21:24	04:55	7.5	96	96	0	0	12	.8
2	21/07/2020	21:23	04:57	7.5	104	103	0	1	13	.9
3	22/07/2020	21:21	04:58	7.6	105	102	1	2	13	.8
4	23/07/2020	21:20	05:00	7.6	48	48	0	0	6.	3
5	24/07/2020	21:18	05:02	7.7	91	91	0	0	11	.8
					Total	440	1	3	Mean Activity Index	11.7

				Average hours of	Total no.	Species and	d numbe	r of bats		
Night	Date	Sunset	Sunrise		bats	Common	Myotis	Noctule	Bat Activity Ind	ex
				darkness	Dats	pipistrelle	sp.	Noctule		
1	17/08/2020	20:30	05:44	9.2	75	71	0	4	8.2	
2	17/08/2020	20:28	05:46	9.3	107	106	0	1	11.5	
3	17/08/2020	20:26	05:48	9.3	35	35	0	0	3.8	
4	17/08/2020	20:23	05:49	9.4	22	22	0	0	2.3	
5	17/08/2020	20:21	05:51	9.4	3	2	0	1	0.3	
									Mean	
					Total	236	0	6	Activity	5.2
									Index	

				Average		Species a	nd number	of bats		
Night	Date	Sunset	Sunrise	hours of	Total no. bats	Common	Myotis	Noctule	Bat Activ	ity Index
				darkness		pipistrelle	sp.	Noctule		
1	14/09/2020	19:22	06:35	11.2	45	45	0	0	4.	.0
2	15/09/2020	19:19	06:37	11.2	51	48	2	1	4.	.6
3	16/09/2020	19:17	06:39	11.3	3	3	0	0	0.	.3
4	17/09/2020	19:14	06:41	11.3	5	5	0	0	0.	.4
5	18/09/2020	19:12	06:43	11.4	2	2		0	0.	.2
									Mean	
					Total	103	0	1	Activity	1.9
									Index	



Static Detector 2

				Average	Total no.	Species	and num	ber of		
Night	Date	Sunset	Sunrise	hours of	bats	Common	Myotis	Noctule	Bat Activi	ty Index
				darkness	Dats	pipistrelle	sp.	Noctule		
1	22/06/2020	21:44	04:27	6.7	21	19	1	1	3.	1
2	23/06/2020	21:44	04:28	6.7	81	81	0	0	12.	.1
3	24/06/2020	22:44	04:28	6.7	41	40	1	0	6.	1
4	25/06/2020	23:44	04:29	6.7	19	18	1	0	2.	8
5	26/06/2020	00:44	04:29	6.7	20	19	1	0	3.	0
									Mean	
					Total	177	4	1	Activity	5.4
									Index	

				Average		Species	and num	ber of		
Night	Date	Sunset	Sunrise	hours of darkness		pipistrell	Myotis sp.	Noctule	Bat Activity Index	
1	20/07/2020	21:24	04:55	7.5	13	11	1	1	1.	7
2	21/07/2020	21:23	04:57	7.5	34	34	0	0	4.	5
3	22/07/2020	21:21	04:58	7.6	48	46	0	2	6.	3
4	23/07/2020	21:20	05:00	7.6	26	26	0	0	3.	4
5	24/07/2020	21:18	05:02	7.7	74	74		0	9.	6
					Total	191	1	3	Mean Activity Index	5.1

			Sunrise	Average	Total no.	Species and	l numbe	r of bats		
Night	Date	Sunset		hours of	bats	Common	Myotis	Noctule	Bat Activi	ty Index
				darkness	Dats	pipistrelle	sp.	Noctule		
1	17/08/2020	20:30	05:44	9.2	10	10	0	0	1.	1
2	17/08/2020	20:28	05:46	9.3	9	9	0	0	1.0	0
3	17/08/2020	20:26	05:48	9.3	7	7	0	0	0.8	8
4	17/08/2020	20:23	05:49	9.4	7	7	0	0	0.	7
5	17/08/2020	20:21	05:51	9.4	1	1	0	0	0.	1
									Mean	
					Total	34	0	0	Activity	0.7
									Index	

		Sunset		Average		Species a	nd number	of bats		
Night	Date		Sunrise	hours of	Total no. bats	Common	Myotis	Noctule	Bat Activ	ity Index
				darkness		pipistrelle	sp.	Noctule		
1	14/09/2020	19:22	06:35	11.2	7	5	0	2	0.	6
2	15/09/2020	19:19	06:37	11.2	40	26	0	14	3.	6
3	16/09/2020	19:17	06:39	11.3	3	2	1	0	0.	3
4	17/09/2020	19:14	06:41	11.3	1	1	0	0	0.	1
5	18/09/2020	19:12	06:43	11.4	0	0	0	0	C)
									Mean	
					Total	34	1	16	Activity	0.9
									Index	